

1 Claims:

2 (1) A method comprising:

3 communicating with a network from a communication terminal
4 provided with a nonvolatile memory that stores
5 identification information and a password and enabled to
6 communicate with said network after said identification
7 information and said password are identified, including the
8 steps of:

9 (a) sending said identification information and said
10 password stored in said nonvolatile memory to said network
11 at a start of a communication;

12 (b) generating another password that is different from said
13 password sent in said step (a) after said communication is
14 started;

15 (c) storing said generated password in said nonvolatile
16 memory; and

17 (d) sending said generated password to said network before
18 said communication started in said step (a) is ended.

19 (2) The method according to Claim 1,

20 wherein sending of said generated password in said step (d)
21 is done at the end of the communication started in said step
22 (a).

23 (3) A method comprising:

1 communicating with a network from a communication terminal
2 provided with a nonvolatile memory that stores
3 identification information and a password and enabled to
4 communicate with said network after said identification
5 information and said password are identified, said network
6 being provided with a storage that stores said
7 identification information and said password, including the
8 steps of:

9 (a) receiving said identification information and said
10 password stored in said nonvolatile memory at a start of a
11 communication;

12 (b) comparing said identification information and said
13 password received in said step (a) with said identification
14 information and said password stored in said storage
15 respectively;

16 (c) enabling said communication terminal to communicate with
17 said network in response to the result of said comparison in
18 said step (b);

19 (d) receiving another password that is different from said
20 password received in said step (a) before said communication
21 enabled in said step (c) is ended; and

22 (e) storing said password received in said step (d) in said
23 storage.

24 (4) A method according to Claim 3,

1 wherein said method further includes a step of:

2 stopping communication of said communication terminal in
3 case said password received in said step (d) corresponds to
4 said password received at the start of said communication in
5 said step (a).

6 (5) The method according to Claim 3,

7 wherein said password is received in said step (d) when said
8 communication enabled in said step (c) is ended.

9 (6) A method comprising:

10 communicating with a network from a communication terminal
11 provided with a nonvolatile memory that stores
12 identification information and a password and enabled to
13 communicate with said network after said identification
14 information and said password are identified, said network
15 being provided with a storage that stores said
16 identification information and said password, including the
17 steps of:

18 (a) sending said identification information and said
19 password stored in said nonvolatile memory to said network
20 at a start of a communication;

21 (b) comparing said identification information and said
22 password sent in said step (a) with said identification
23 information and said password stored in said storage
24 respectively;

1 (c) enabling said communication terminal to communicate with
2 said network in response to the result of said comparison in
3 said step (b);

4 (d) generating another password that is different from said
5 password sent in said step (a) after said communication is
6 started; and

7 (e) storing said generated password in said nonvolatile
8 memory;

9 (f) sending said generated password to said network before
10 said communication enabled in said step (c) is ended; and

11 (g) storing said password sent in said step (f) in said
12 storage.

13 (7) A method comprising:

14 communicating with a network from a first communication
15 terminal provided with a first nonvolatile memory that
16 stores identification information and a password and enabled
17 to communicate with said network after said identification
18 information and said password are identified and from a
19 second communication terminal provided with a second
20 nonvolatile memory and enabled to communicate with said
21 network after said identification information and said
22 password are identified, including the steps of:

23 (a) storing said identification information and said
24 password stored in said first nonvolatile memory in said
25 second nonvolatile memory;

1 (b) inhibiting the use of said first communication terminal;

2 (c) sending said identification information and said
3 password stored in said second nonvolatile memory to said
4 network at a start of said communication;

5 (d) generating another password that is different from said
6 password sent in said step (c) after said communication is
7 started;

8 (e) storing said generated password in said second
9 nonvolatile memory; and

10 (f) sending said generated password to said network before
11 said communication started in said step (c) is ended.

12 (8) A method comprising:

13 communicating with a network from a first communication
14 terminal provided with a first nonvolatile memory that
15 stores identification information and a password and enabled
16 to communicate with said network after said identification
17 information and said password are identified and from a
18 second communication terminal provided with a second
19 nonvolatile memory and enabled to communicate with said
20 network after said identification information and said
21 password are identified, said network being provided with a
22 storage that stores said identification information and said
23 password, including the steps of:

24 (a) storing said identification information and said

1 password stored in said first nonvolatile memory in said
2 second nonvolatile memory;

3 (b) inhibiting the use of said first communication terminal;

4 (c) sending said identification information and said
5 password stored in said second nonvolatile memory to said
6 network at a start of said communication;

7 (d) comparing said identification information and said
8 password sent in said step (c) with said identification
9 information and said password stored in said storage
10 respectively;

11 (e) enabling said communication terminal to start said
12 communication in response to the result of said comparison
13 in said step (d);

14 (f) generating another password that is different from said
15 password sent in said step (c) after said communication is
16 started;

17 (g) storing said generated password in said second
18 nonvolatile memory; and

19 (h) sending said generated password to said network before
20 said communication enabled in said step (e) is ended; and

21 (i) storing said password sent in said step (h) in said
22 storage.

23 (9) The method according to Claim 1,

1 wherein said another password is generated at random.

2 (10) A communication terminal enabled to communicate with a
3 network after identification information and password are
4 identified, said terminal including:

5 a nonvolatile memory enabled to store said identification
6 information and said password;

7 a unit for generating another password that is different
8 from said password sent at a start of said communication;
9 and

10 a unit for sending said identification information and said
11 password stored in said nonvolatile memory to said network
12 at a start of said communication, sending said generated
13 password to said network before said started communication
14 is ended, and storing said generated password in said
15 nonvolatile memory.

16 (11) The communication terminal according to Claim 10,

17 wherein said unit for generating said another password at
18 random generates the password at random.

19 (12) The communication terminal according to Claim 10,

20 wherein said terminal further includes:

21 a port for sending said identification information and said
22 password stored in said nonvolatile memory to external or

1 receiving them from external.

2 (13) The communication terminal according to Claim 10,
3 wherein said terminal can also include a removable storage
4 medium that can store said identification information and
5 said password stored in said nonvolatile memory.

6 (14) A network apparatus for enabling the communication
7 terminal according to claim 10, to start a communication by
8 identifying identification information and a password of
9 said terminal, said apparatus including:

10 a storage that stores said identification information of
11 said communication terminal and a password corresponding to
12 said identification information; and

13 a controller for receiving said identification information
14 and said password from said communication terminal at a
15 start of said communication, then comparing said
16 identification information and said password with those
17 stored in said storage, thereby enabling said communication
18 terminal to start said communication according to the result
19 of said comparison, and receiving another password that is
20 different from said password from said communication
21 terminal before said started communication is ended so as to
22 store said received password in said storage.

23 (15) An article of manufacture comprising a computer usable
24 medium having computer readable program code means embodied
25 therein for causing communication, the computer readable
26 program code means in said article of manufacture comprising

1 computer readable program code means for causing a computer
2 to effect the steps of claim 1.

3 (16) An article of manufacture comprising a computer usable
4 medium having computer readable program code means embodied
5 therein for causing communication, the computer readable
6 program code means in said article of manufacture comprising
7 computer readable program code means for causing a computer
8 to effect the steps of claim 3.

9 (17) An article of manufacture comprising a computer usable
10 medium having computer readable program code means embodied
11 therein for causing communication, the computer readable
12 program code means in said article of manufacture comprising
13 computer readable program code means for causing a computer
14 to effect the steps of claim 6.

15 (18) An article of manufacture comprising a computer usable
16 medium having computer readable program code means embodied
17 therein for causing communication, the computer readable
18 program code means in said article of manufacture comprising
19 computer readable program code means for causing a computer
20 to effect the steps of claim 7.

21 (19) An article of manufacture comprising a computer usable
22 medium having computer readable program code means embodied
23 therein for causing communication, the computer readable
24 program code means in said article of manufacture comprising
25 computer readable program code means for causing a computer
26 to effect the steps of claim 8.

27 (20) A computer program product as recited in claim B1, the

1 computer readable program code means in said computer
2 program product further comprising computer readable program
3 code means for causing a computer to effect terminal of
4 claim 10.

5 (21) A computer program product as recited in claim B1, the
6 computer readable program code means in said computer
7 program product further comprising computer readable program
8 code means for causing a computer to effect the apparatus of
9 claim 14.